

ABSTRACT

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THERMOPLASTIC POLYESTER COMPOSITIONS HAVING IMPROVED IMPACT PROPERTIES

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The present invention relates to thermoplastic polyesters, which
comprise, by weight:

- (i) a thermoplastic polyester;
- (ii) an impact modifier comprising:
 - (a) a core-shell copolymer (A);
 - (b) an ethylene copolymer (B) chosen from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
- (iii) the (B)/(A) ratio being between 90/10 and 25/75 for proportions of impact modifier between 2 and 40% in 98 to 60% of polyester, respectively;
- (iv) the (B)/(A) ratio being between 25/75 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively.

It is particularly useful for PET and PBT.

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